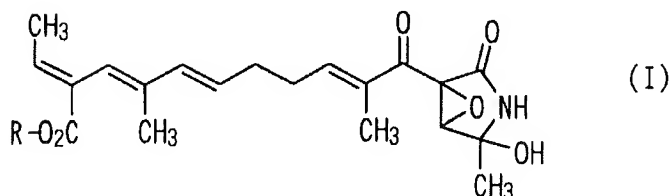


AMENDMENTS TO THE CLAIMS

1. **Canceled.**

2. **Canceled.**

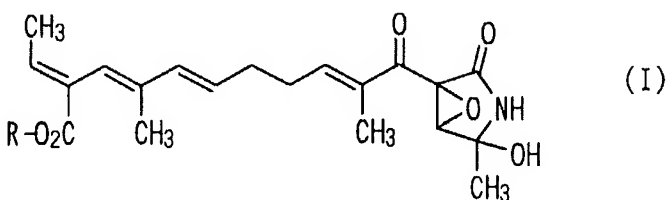
3. **(Previously Presented)** A compound represented by the following general formula (I)



wherein R in the general formula (I) is a tert-butyl group.

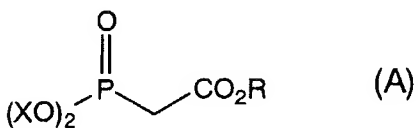
4. **(Canceled).**

5. **(Currently Amended)** A process for producing a compound represented by the following general formula (I):



Wherein R represents a linear, branched, or cyclic alkyl having 2 or more carbon atoms or an aryl group comprising:

- (1) reacting tetrahydropyran-2-ol with (ethoxycarbonyl ethylidene) triphenylphospholane;
- (2) protecting a free hydroxyl group of the reaction product from (1);
- (3) transforming a hydroxymethyl group of the reaction product from (2) into a formyl group;
- (4) reacting the reaction product from (3) with phosphonoacetic acid ester represented by the following general formula (A):



wherein R and X each represent a linear, branched, or cyclic alkyl or aryl group;

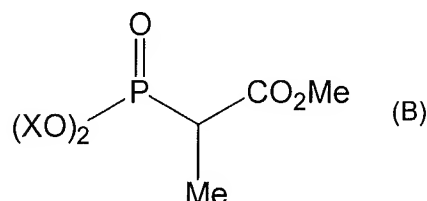
(5) reacting the reaction product from (4) with a base and acetaldehyde;

(6) formally dehydrating the reaction product from (5);

(7) deblocking a protecting group of the reaction product from (6);

(8) oxidizing the reaction product from (7);

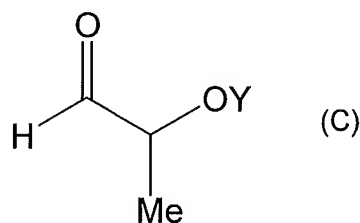
(9) reacting the reaction product from (8) with phosphonopropionic acid methyl ester represented by the following general formula (B):



wherein X is defined as in (4) above;

(10) reacting the reaction product from (9) with acetonitrile in the presence of a base;

(11) reacting the reaction product from (10) with propanal represented by the following general formula (C):



wherein Y represents a hydroxyl protecting group of a hydroxyl group;

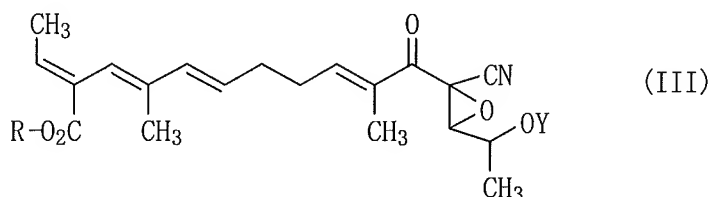
(12) epoxidizing the reaction product from (11);

(13) deblocking a protecting group of the reaction product from (12);

(14) dehydrating a cyano group from the reaction product from (13); and

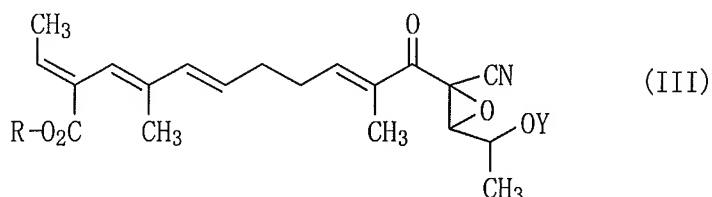
(15) lactamizing the reaction product from (14).

6. **(Currently Amended)** A compound represented by the following general formula (III):

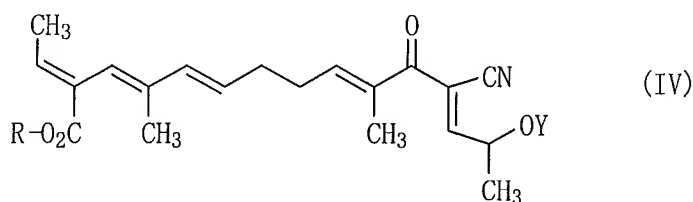


wherein R represents a linear, branched, or cyclic alkyl or aryl group and Y represents a hydroxyl protecting group of a hydroxyl group.

7. **(Currently Amended)** A process for producing a compound represented by the following general formula (III):



wherein R represents a linear, branched, or cyclic alkyl or aryl group and Y represents a hydroxyl protecting group of a hydroxyl group, comprising reacting a compound represented by the following general formula (IV):



wherein R and Y are defined as above for (III),
with a peroxide that stereoselectively epoxidizes the compound (IV).

8. **(Previously Presented)** A pharmaceutical composition containing the compound according to claim 3 as an active ingredient and a pharmaceutically acceptable carrier.

9. **Canceled**

10. **(Previously Presented)** The process according to claim 5, wherein R in the general formula (I) is a linear, branched, or cyclic alkyl group having 2 or more carbon atoms.

11. **(Previously Presented)** The process according to claim 5, wherein R in the general formula (I) is a linear, branched or cyclic alkyl group having 2 to 6 carbon atoms.

12. **(Previously Presented)** The process according to claim 5, wherein R in the general formula (I) is a tert-butyl group.

13. **(Canceled).**